

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-293840

(43)Date of publication of application : 20.10.2000

(51)Int.Cl.

G11B 5/82

(21)Application number : 11-102085

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(22)Date of filing : 09.04.1999

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(54) MAGNETIC DISK

(57)Abstract:

PROBLEM TO BE SOLVED: To stabilize floating running by reduction the variance of the extent of floating for movement of a floating magnetic head in the radial direction between a CSS(contact start stop) zone and a data zone on a disk surface at the time of start and stop of a hard disk device.

SOLUTION: With respect to a magnetic disk is combined with the floating magnetic head to record and reproduce digital information, a data zone 2 and a CSS zone 3 in its inner peripheral area are demarcated on the surface of a plastic disk substrate 1 formed by injection molding, and minute projections 3a to prevent suction of the magnetic head are dispersively formed on the face area of the CSS zone to make the CSS zone into a rough surface. In this case, a step projecting area L like a slow slope where the height of projections is made gradually lower toward the outer periphery is formed in the outer peripheral range in the CSS zone, and a width L in the radial direction of the step projection area is made longer than at least the slider width of the magnetic head.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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